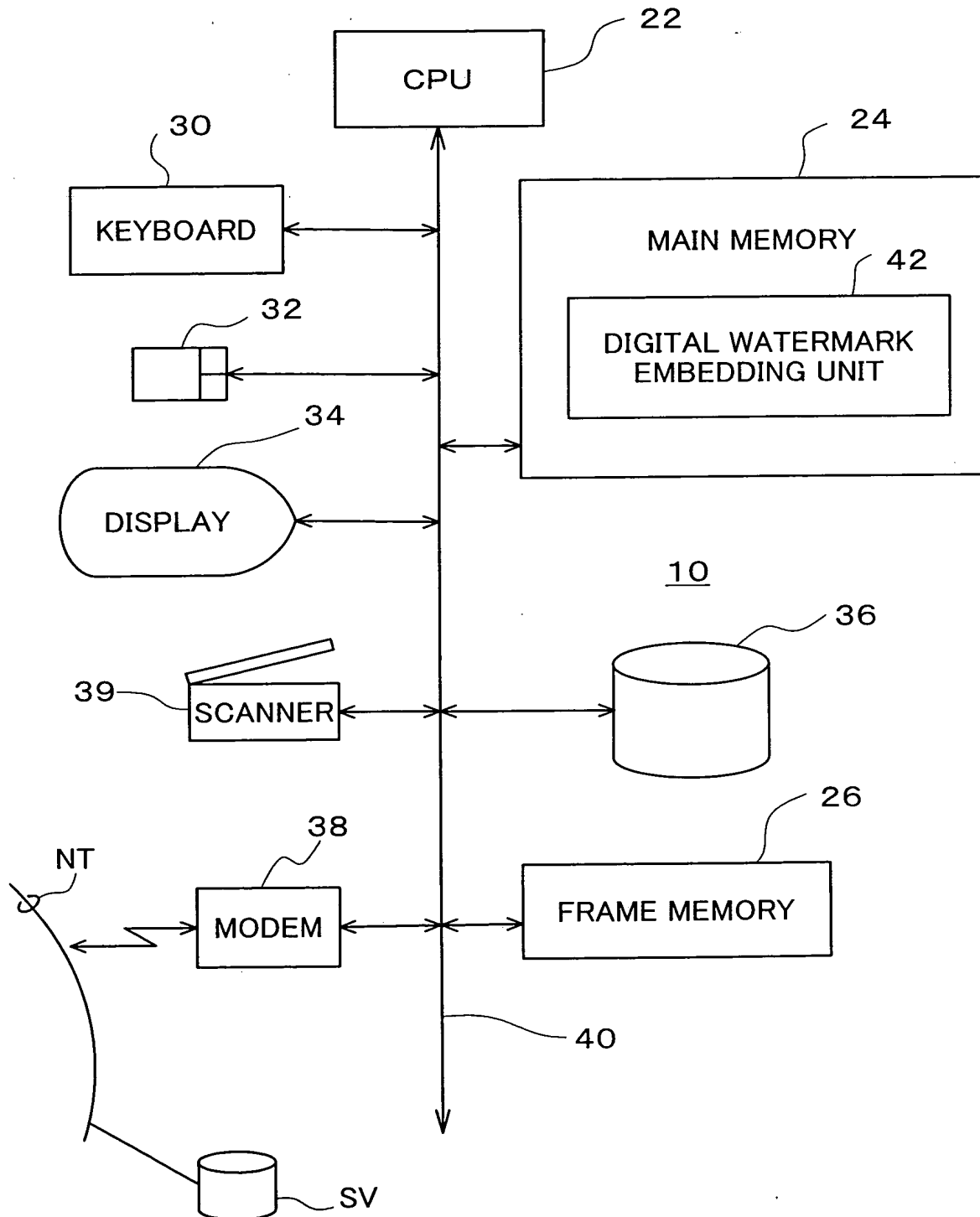


Fig. 1



09/786664

Fig. 2

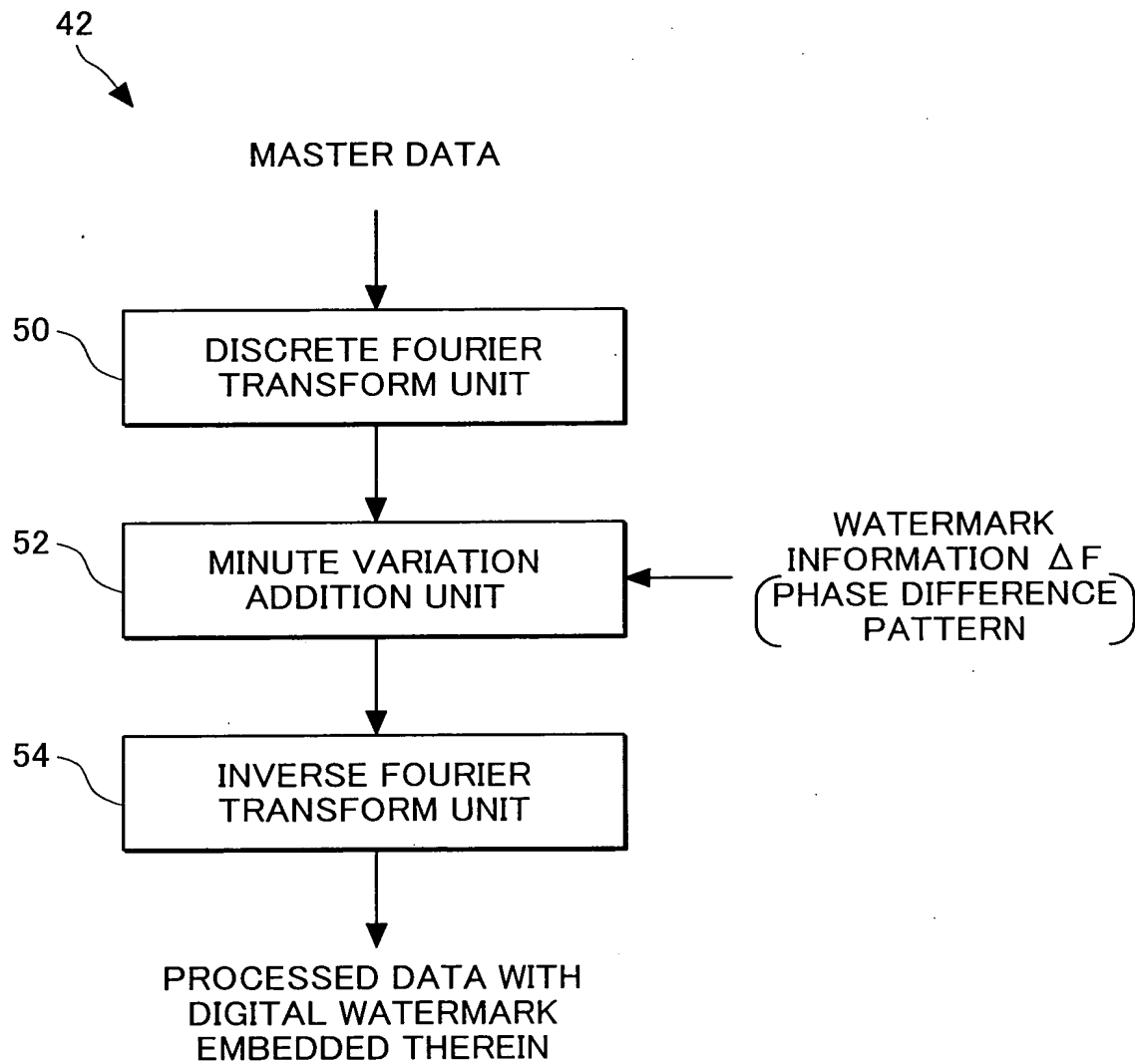
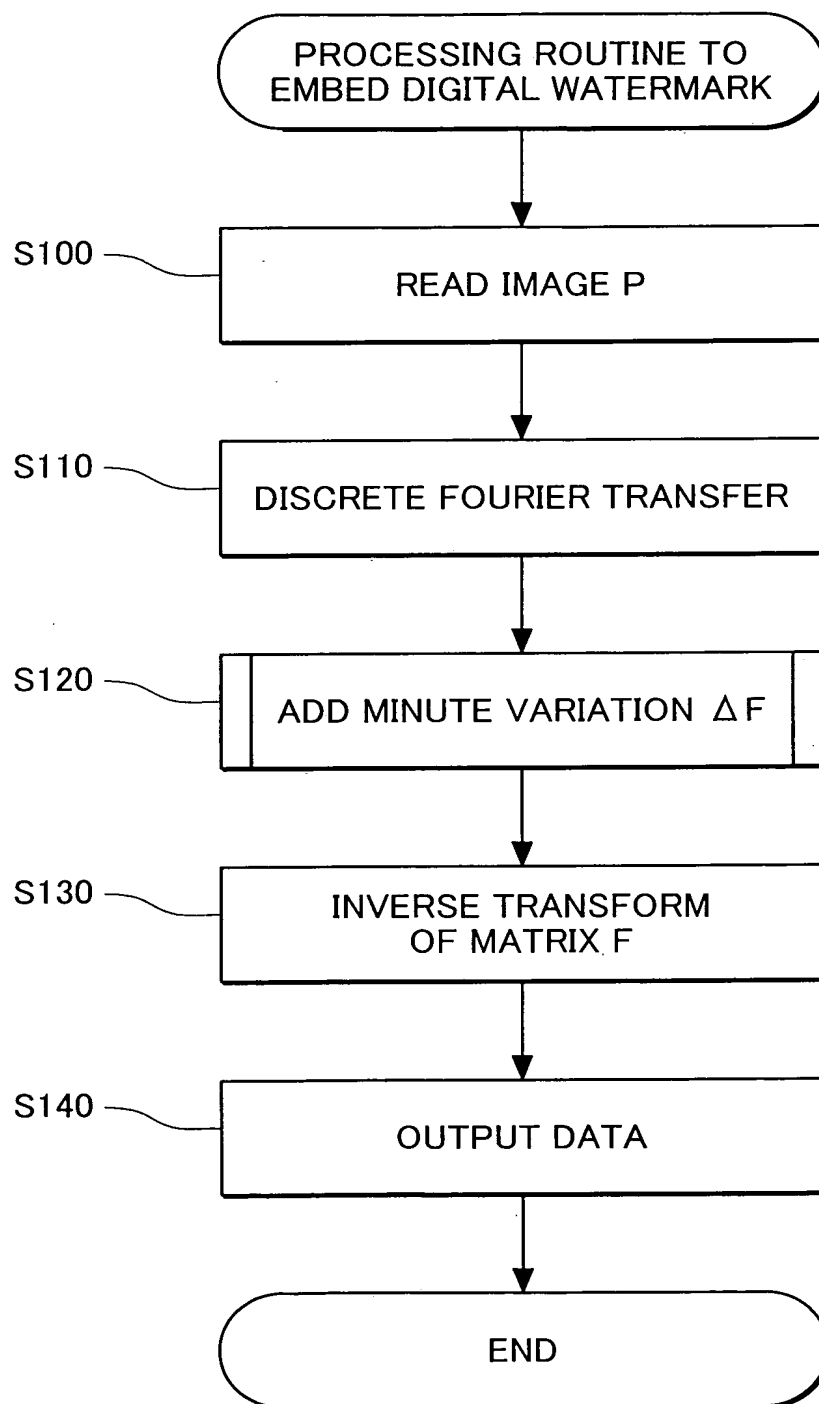


Fig. 3



*Fig. 4A*

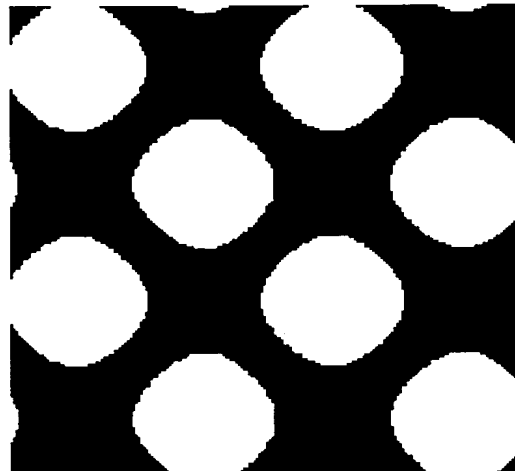
P 0

*Fig. 4B*

P 1

*Fig. 4C*

| W 0 1 |



*Fig. 5A*

## REAL NUMBER ARRAY FR

	253	254	255	0	1	2	3
253	0.28	-0.12	-0.14	-0.04	0.17	0.09	0.02
254	0.02	0.20	-0.32	0.38	-0.07	-0.23	-0.17
255	0.02	-0.07	-0.35	-0.09	-0.01	0.25	0.22
0	0.13	-0.16	-0.03	6.46	-0.03	-0.16	0.13
1	0.22	0.25	-0.01	-0.09	-0.35	-0.07	0.02
2	-0.17	-0.23	-0.07	0.38	-0.32	0.20	0.02
3	0.02	0.09	0.17	-0.04	-0.14	-0.12	0.28

1.0e+006 \*

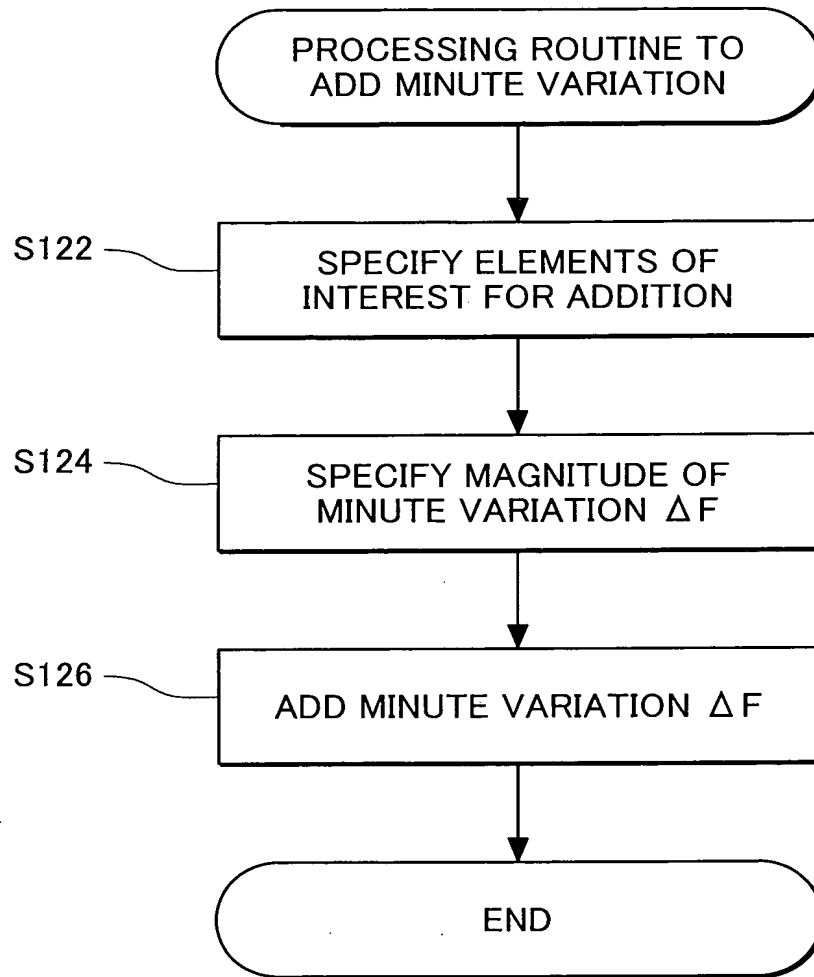
*Fig. 5B*

## IMAGINARY NUMBER ARRAY FI

	253	254	255	0	1	2	3
253	0.21	-1.93	4.74	-1.91	2.72	2.74	0.42
254	-1.47	1.47	0.64	2.49	0.77	-0.82	0.42
255	1.46	0.69	-4.67	-7.07	3.30	-0.19	-2.01
0	-0.80	-0.06	2.85	0.00	-2.85	0.06	0.80
1	2.01	0.19	-3.30	7.07	4.67	-0.69	-1.46
2	-0.42	0.82	-0.77	-2.49	-0.64	-1.47	1.47
3	-0.42	-2.74	-2.72	1.91	-4.74	1.93	-0.21

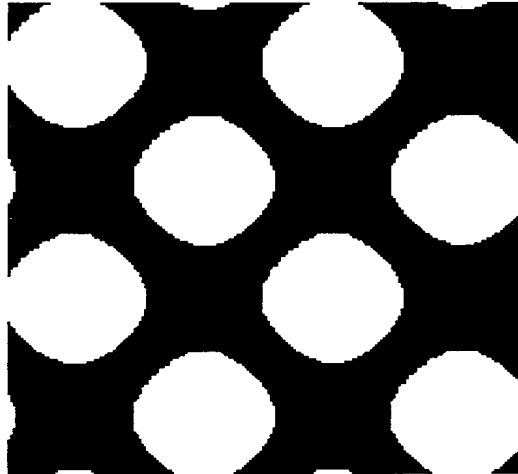
1.0e+005 \*

Fig. 6

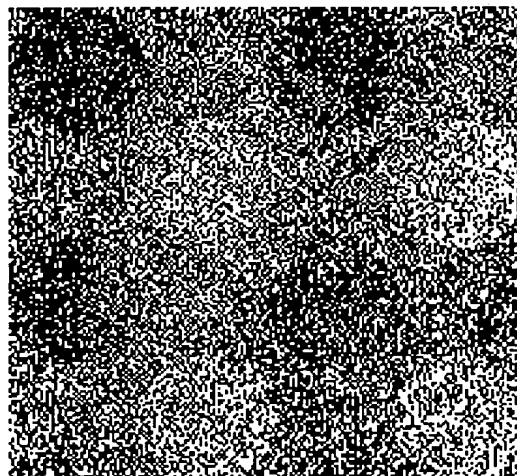


*Fig. 7A*

| W01 |

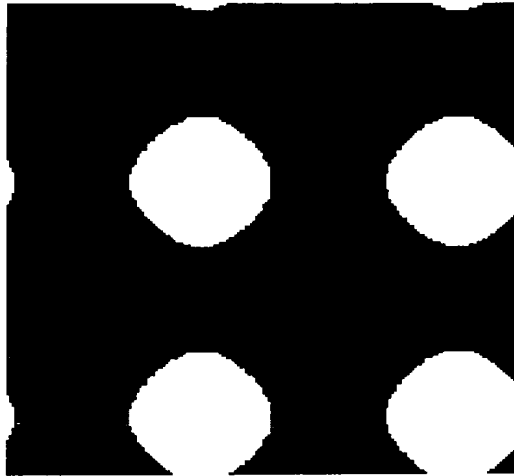
*Fig. 7B*

| W' 01 |



*Fig. 8A*

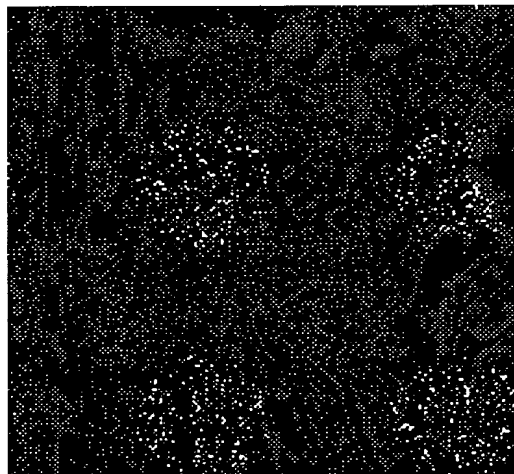
| W01 |

*Fig. 8B*

P' 1

*Fig. 8C*

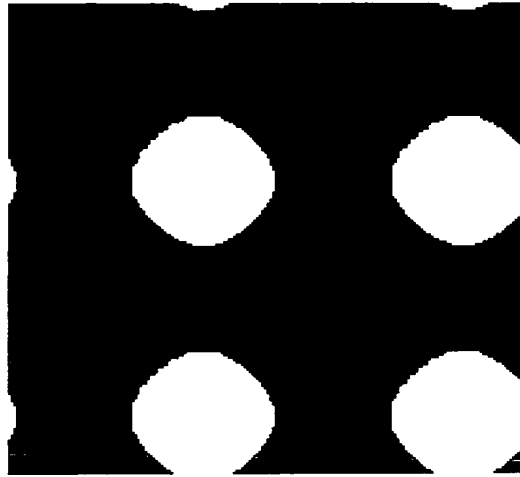
| W' 01 |





*Fig. 9A*

| W01 |

*Fig. 9B*

P' 1

*Fig. 9C*

| W' 01 |

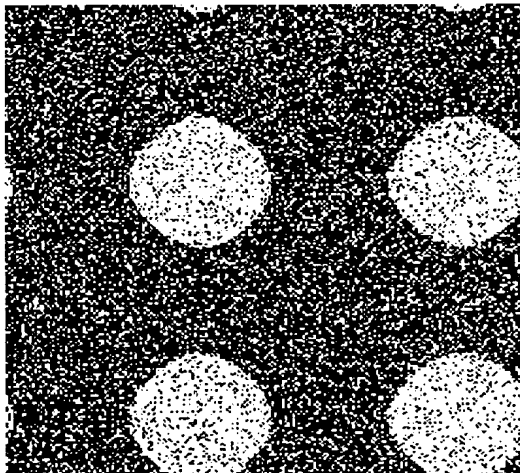


Fig. 10

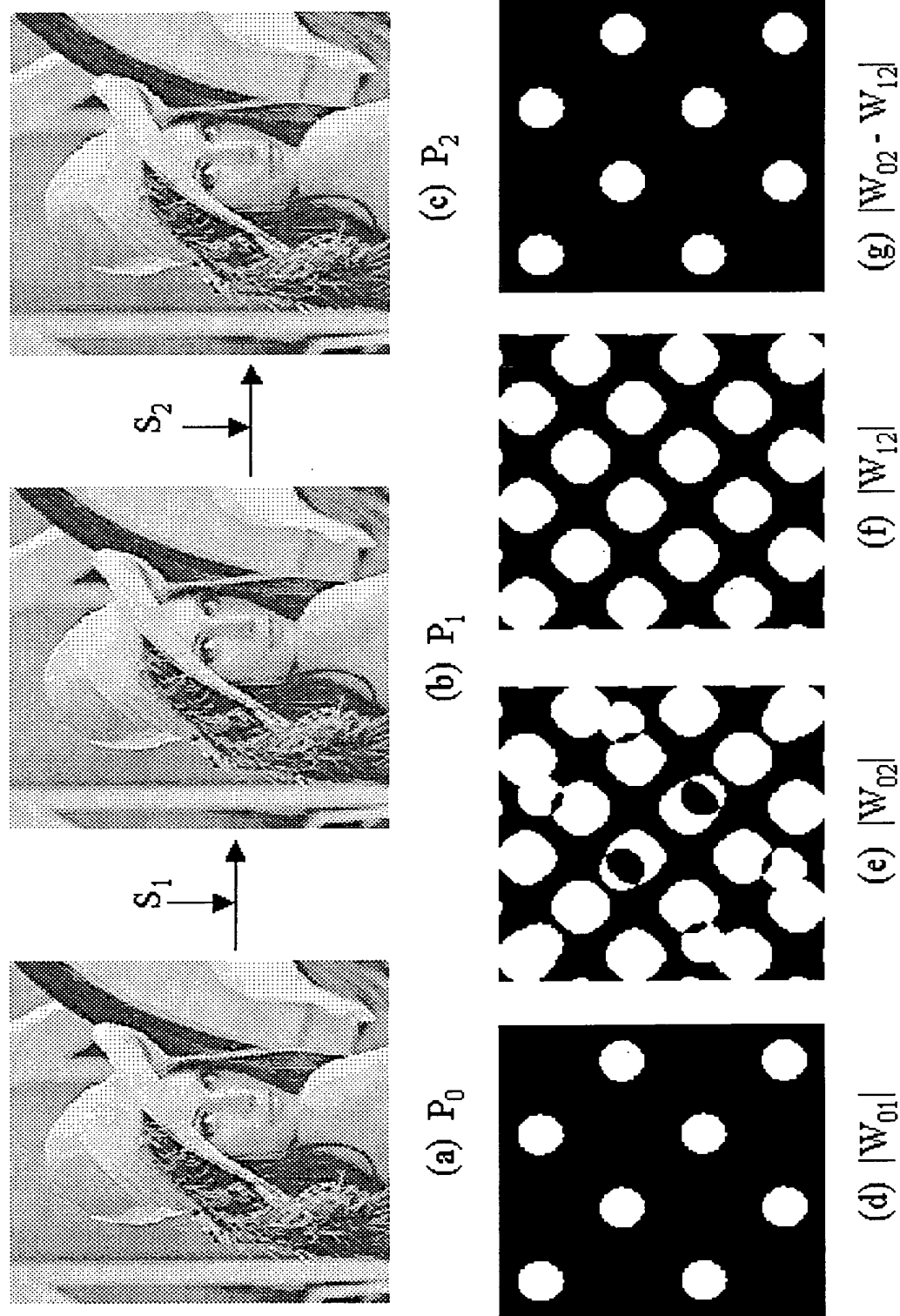
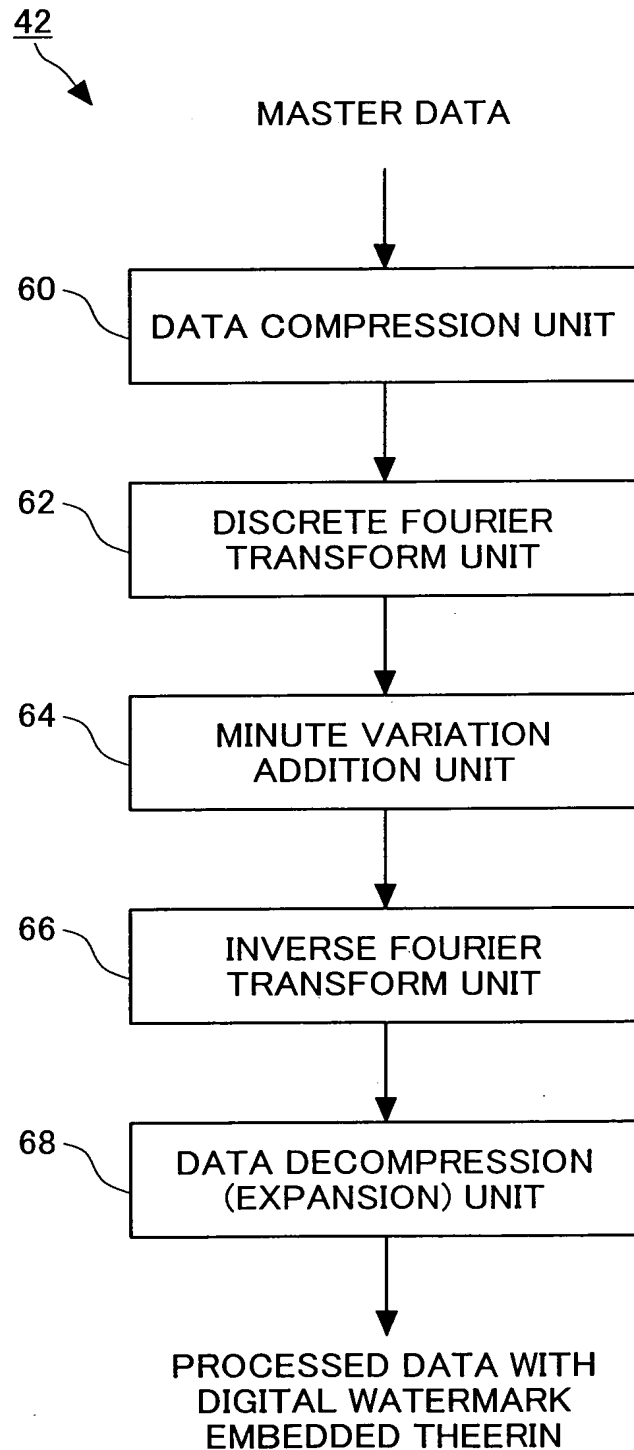


Fig. 11



*Fig. 12A*

$I_0$	$I_3$
$I_1$	$I_2$

PIXEL AREA

*Fig. 12B*

$w_0$	$w_1$
$w_2$	$w_3$

TRANSFORMED AREA

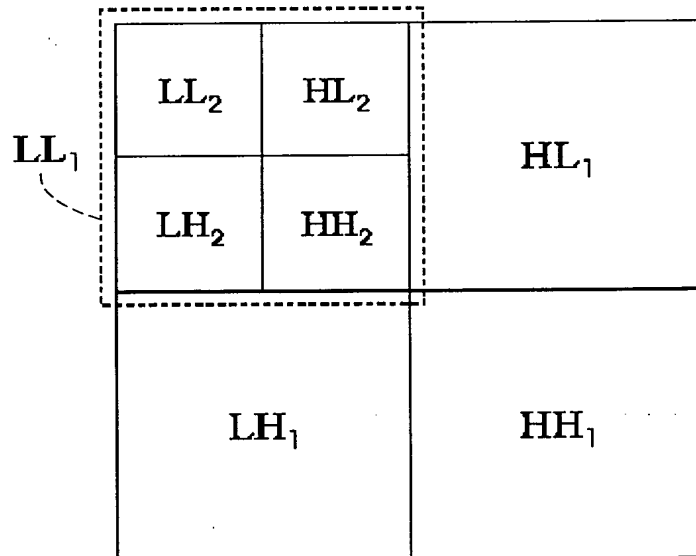
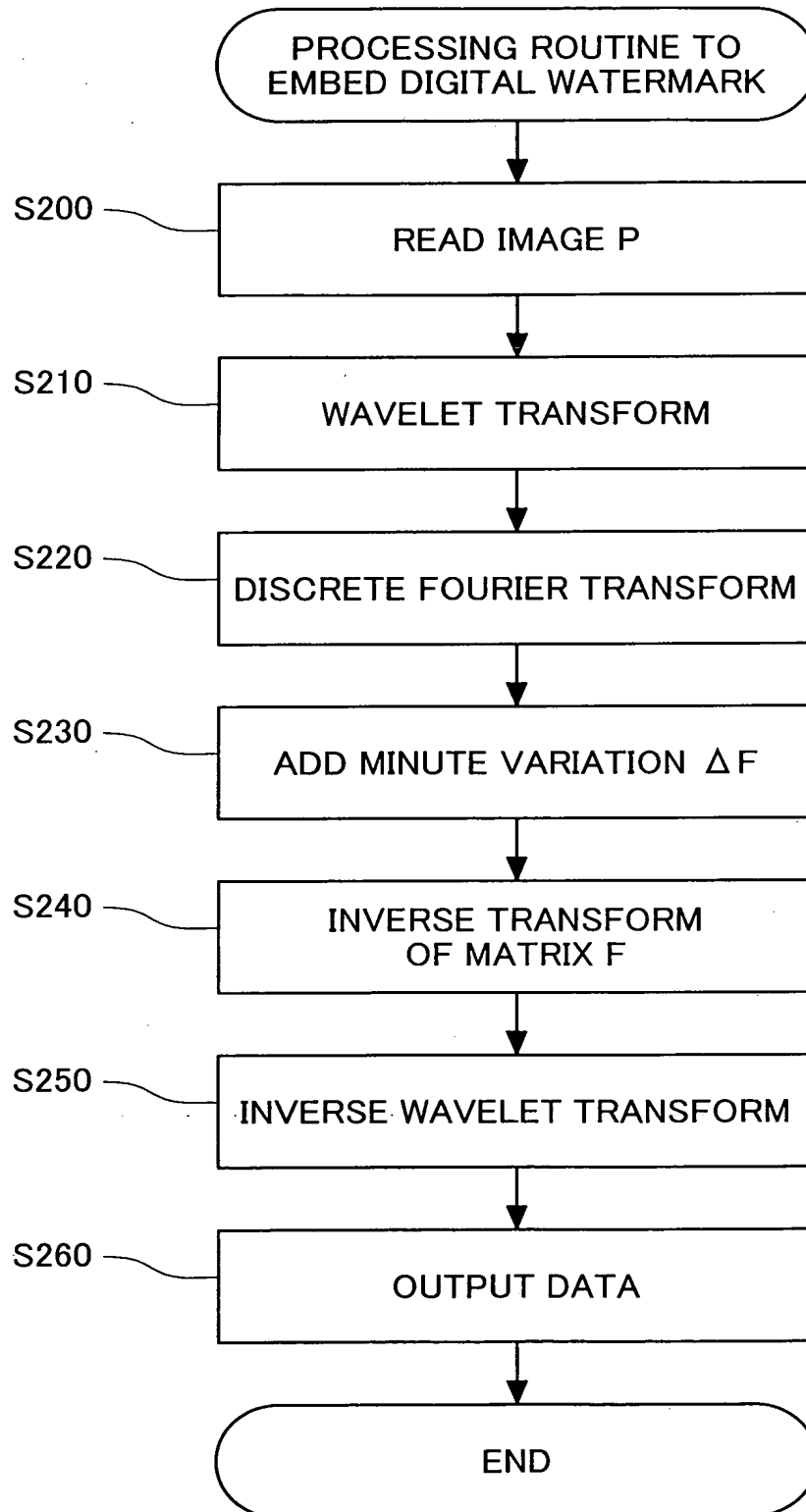
*Fig. 13*

Fig. 14



*Fig. 15**Fig. 16A*

PROCESSED IMAGE WITH  
EMBEDDED PATTERN

*Fig. 16B*

PHASE DIFFERENCE  
PATTERN

*Fig. 17A*

Q 0

S 1  
↓  
→*Fig. 17B*

Q 1

S 2  
↓  
→*Fig. 17C*

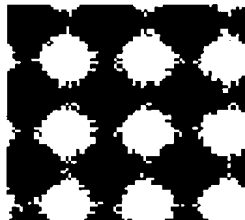
Q 2

*Fig. 17D*

| W01 |

*Fig. 17E*

| W02 |

*Fig. 17F*

| W12 |

*Fig. 17G*

| W02-W12 |

*Fig. 17H*

Q 3

*Fig. 17I*

| W03 |

Fig. 17J

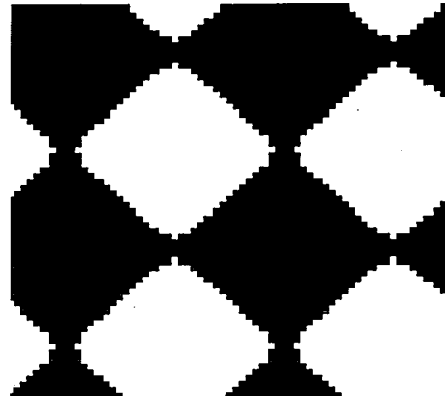
	254	255	0	1	2
254	0.00	0.00	0.00	0.00	0.00
255	0.00	0.00	0.00	0.00	0.00
0	0.00	0.00	0.00	0.00	-3.00
1	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	-3.00	0.00	0.00

1. 0 e + 0 0 4 \*

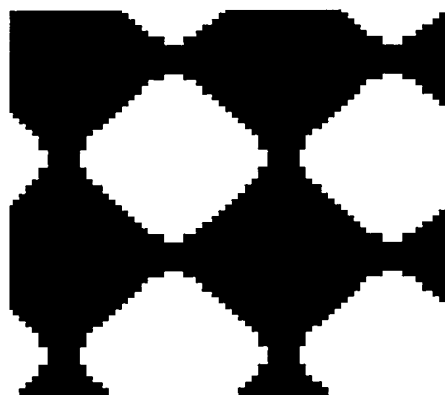
| S 1 - S 3 |

09/786664-052101



*Fig. 18A*

$$\Delta = 5. \quad 0 * 10 \quad e \quad 2$$

*Fig. 18B*

$$\Delta = 3. \quad 0 * 10 \quad e \quad 2$$

*Fig. 18C*

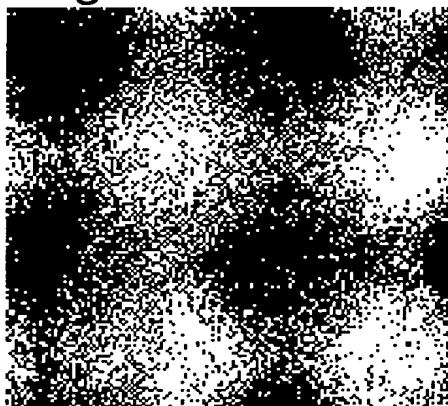
$$\Delta = 1. \quad 0 * 10 \quad e \quad 2$$

*Fig. 19A*

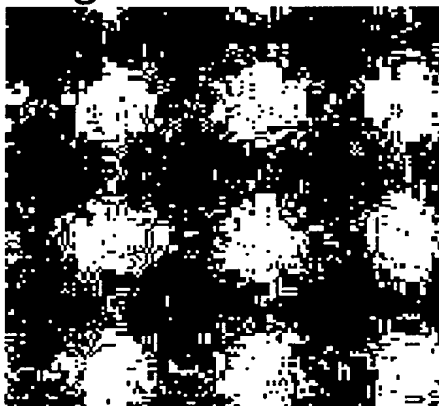
W01

*Fig. 19B*

Q' 1

*Fig. 19C*

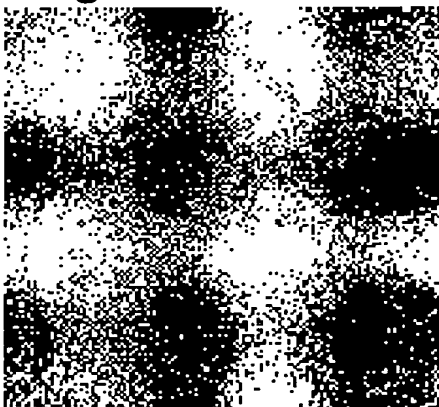
W' 01

*Fig. 19D*

W' 12

*Fig. 19E*

W' 02

*Fig. 19F*

W' 12

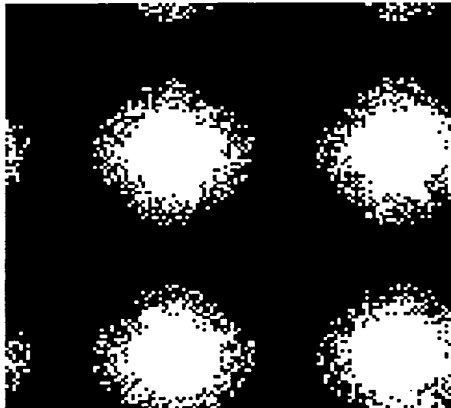
09/786664-053101

*Fig. 20A*

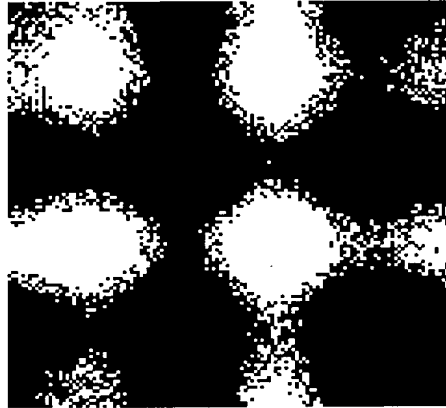
W01

*Fig. 20B*

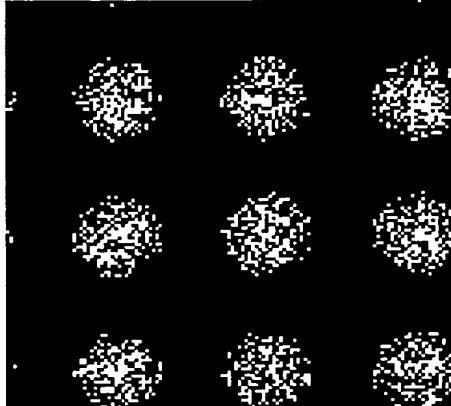
Q' 1

*Fig. 20C*

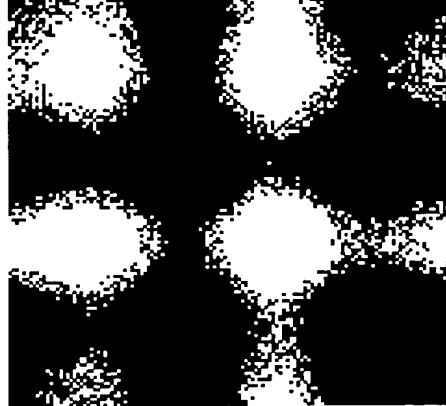
W' 01

*Fig. 20D*

W' 12

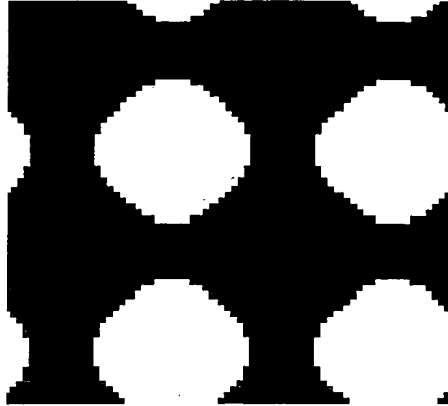
*Fig. 20E*

W' 02

*Fig. 20F*

W' 12

*Fig. 21A*



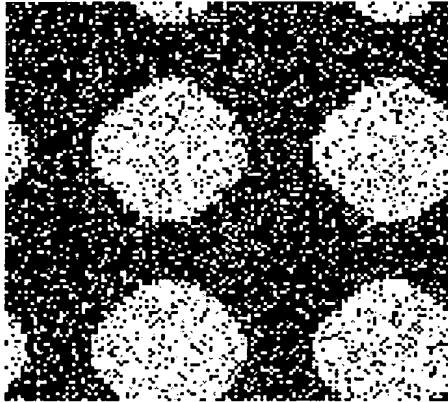
W01

*Fig. 21B*



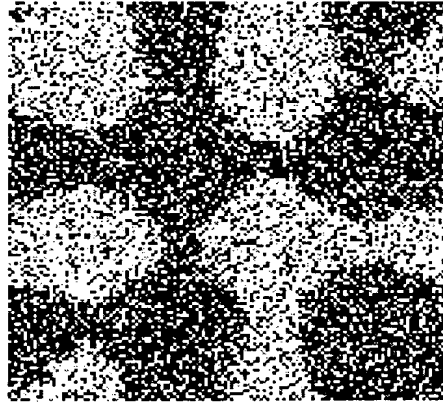
Q' 1

*Fig. 21C*



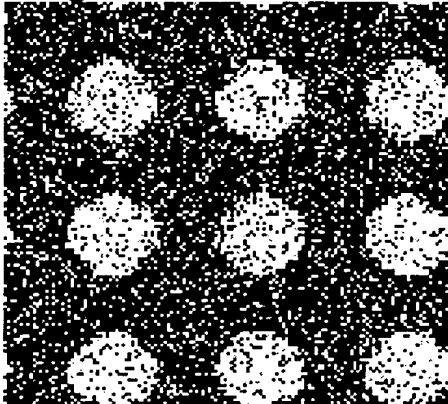
W' 01

*Fig. 21D*



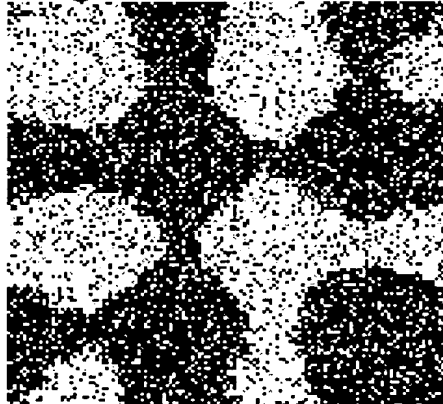
W' 12

*Fig. 21E*



W' 02

*Fig. 21F*



W' 12

09/786664-063401

*Fig. 22A*



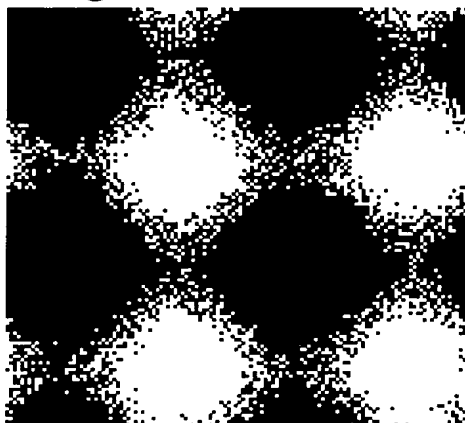
W01

*Fig. 22B*



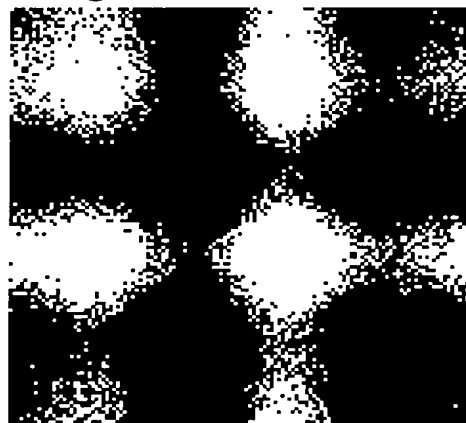
Q' 1

*Fig. 22C*



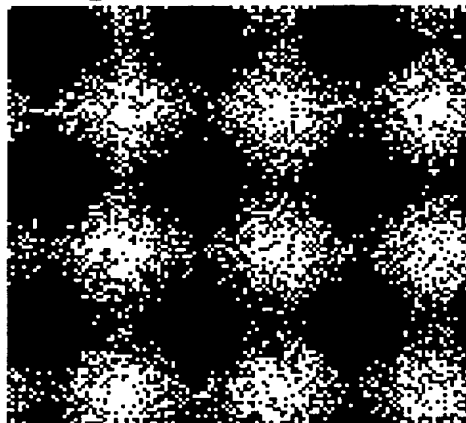
W' 01

*Fig. 22D*



W' 12

*Fig. 22E*



W' 02

*Fig. 22F*



W' 12

FILED 1990 10 10